



1998 Toxics Release Inventory

GEORGIA

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	55,083,095	58,553,846	113,636,941
Air Emissions	46,621,812	47,279,415	93,901,227
Surface Water Discharges	6,288,967	137,909	6,426,876
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	238,189	0	238,189
Other On-site Land Releases	1,934,127	11,136,522	13,070,649
Off-site Releases (Transfers Off-site to Disposal) *	2,410,951	2,776	2,413,727
Total On- and Off-site Releases	57,494,046	58,556,622	116,050,668
Recycled On-site	280,851,010	538,000	281,389,010
Recycled Off-site	53,769,200	185,517	53,954,717
Energy Recovery On-site	45,242,232	0	45,242,232
Energy Recovery Off-site	11,927,123	95,515	12,022,638
Treated On-site	174,892,589	354,733	175,247,322
Treated Off-site **	7,366,156	4,642	7,370,798
Quantity Released On- and Off-site***	64,208,570	58,544,165	122,752,735
Total Production-related Waste Managed	638,256,880	59,722,572	697,979,452
Total Non-production-related Waste Managed	65,965	2,643	68,608

Transfers Off-site for Further Waste Management/Disposal

Recycling	50,952,209	185,212	51,137,421
Energy Recovery	12,283,557	96,638	12,380,195
Treatment	5,527,971	14,711	5,542,682
Publicly Owned Treatment Works (POTWs)	3,323,283	1,070	3,324,353
Metals and Metal Compounds *	70,047	0	70,047
Non-metal TRI Chemicals**	3,253,236	1,070	3,254,306
Other Off-site Transfers***	4,948	0	4,948
Off-site Transfers to Disposal (not including metals to POTWs)	9,714,090	2,794	9,716,884
Total Transfers Off-site for Further Waste Management/Disposal	81,806,058	300,425	82,106,483

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

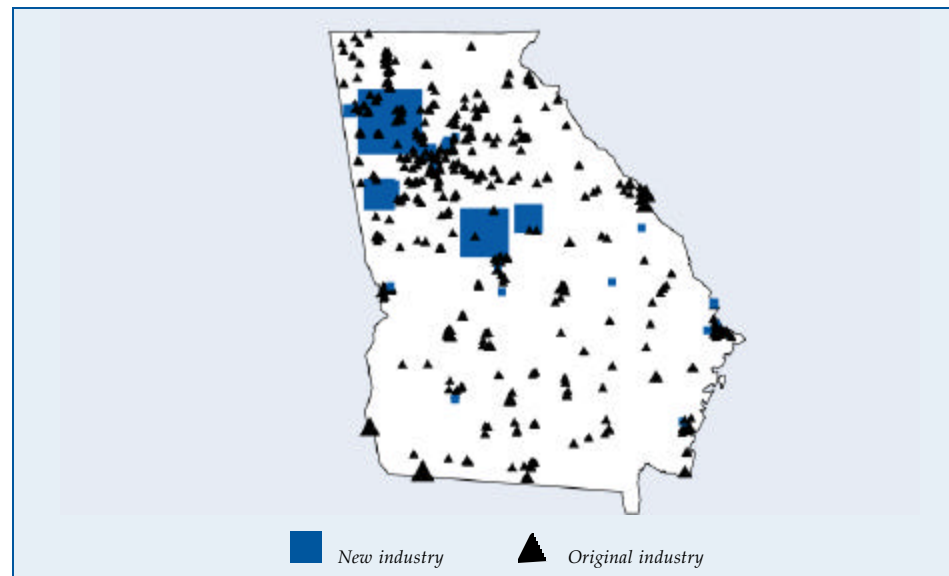
**** Transfers reported without a valid waste management code.

For More Information . . .

State Contact:
Dr. Bert K. Langley
(404) 656-6905
Fax: (404) 657-7893

EPA Regional Contact:
Ezequiel Velez
(404) 562-9191
Fax: (404) 562-9163

**To obtain TRI data use assistance, call
TRI User Support Service (TRI-US):**
(202) 260-1531
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Georgia. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	7,642,207
Square Miles	57,919
Total Facilities	774
Total Forms	2,668
Form As	669

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	14	17	19
Pounds	57,494,046	58,556,622	116,050,668
National Rank for Total On-site Releases**			
Rank	13	17	18
Pounds	55,083,095	58,553,846	113,636,941
National Rank for Total Releases within State***			
Rank	14	17	19
Pounds	56,981,318	58,616,737	115,598,055
National Rank for Production-related Waste Managed			
Rank	12	24	16
Pounds	638,256,880	59,722,572	697,979,452

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



1998 Toxics Release Inventory

GEORGIA

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
67-56-1	Methanol	11,725,667	263,531	0	5,670	13,647	12,008,515	11,776	11,486	2,161
7664-41-7	Ammonia	7,783,968	160,380	0	39,968	8,776	7,993,092	13,872	8,516	260
—	Zinc compounds	110,043	130,622	0	133,054	6,089,662	6,463,381	28,157	333,716	5,755,951
—	Nitrate compounds	7,712	5,132,505	0	277,849	1,300	5,419,366	5	1,300	0
100-42-5	Styrene	3,276,027	250	0	500	29,687	3,306,464	172,136	17,008	12,679
1330-20-7	Xylene (mixed isomers)	3,225,599	45	0	0	12,032	3,237,676	633	1,019	11,013
108-88-3	Toluene	2,810,247	659	0	0	23,908	2,834,814	1,403	858	23,300
7647-01-0	Hydrochloric acid	2,164,579	0	0	0	0	2,164,579	0	0	0
—	Manganese compounds	69,842	302,856	0	600,701	907,811	1,881,210	0	373,690	534,121
110-54-3	n-Hexane	1,535,936	34	0	0	255	1,536,225	256	255	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	38,269,704	0	0	0	0	38,269,704	0	0	0
—	Barium compounds	39,663	25,732	0	6,618,145	0	6,683,540	755	0	0
7664-93-9	Sulfuric acid	4,725,070	0	0	0	0	4,725,070	0	0	0
7664-39-3	Hydrogen fluoride	4,000,199	0	0	0	0	4,000,199	10	0	0
—	Copper compounds	6,749	42,209	0	816,294	5	865,257	250	5	0
—	Manganese compounds	10,211	38,071	0	786,652	0	834,934	250	0	0
—	Zinc compounds	21,291	20,818	0	714,767	5	756,881	625	5	0
—	Chromium compounds	8,753	3,680	0	718,708	9	731,150	1,403	0	9
—	Nickel compounds	8,446	5,731	0	572,189	0	586,366	250	0	0
—	Cobalt compounds	3,328	0	0	382,554	0	385,882	250	0	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



1998 Toxics Release Inventory

GEORGIA

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Engelhard Corp. Attapulgus Ops., Attapulgus, Decatur	2,569,943	1,164,148	0	0	0	0	3,734,091	0	0
Union Camp Corp., Savannah, Chatham	2,626,430	304,830	0	0	0	0	2,931,260	380,800	27,830
Great Southern Paper Co., Cedar Springs, Early	2,449,036	77,695	0	0	0	349,957	2,876,688	0	0
DSM Chemicals N.A. Inc., Augusta, Richmond	696,044	2,063,957	0	0	0	0	2,760,001	2,849	0
Inland Paperboard & Packaging Inc., Rome, Floyd	2,119,772	126,247	0	0	0	156,422	2,402,441	8,628	0
International Paper, Augusta Ops., Augusta, Richmond	1,822,356	213,787	0	0	0	291,221	2,327,364	0	0
GM MLCG — Doraville Assembly, Doraville, De Kalb	2,246,720	60	0	0	0	0	2,246,780	980	10,604
PCS Nitrogen Fertilizer L.P., Augusta, Richmond	1,600,126	374,600	0	0	0	0	1,974,726	0	0
Georgia-Pacific Corp. Brunswick Ops., Brunswick, Glynn	1,422,140	27,258	0	0	0	34,816	1,484,214	0	0
Gilman Paper Co., Saint Marys, Camden	1,159,947	154,345	0	0	0	0	1,314,292	50,250	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Bowen Steam Electric Generating Plant, Cartersville, Bartow	18,052,259	18,589	0	0	0	1,430,077	19,500,925	0	18
Scherer Steam Electric Generating Plant, Juliette, Monroe	8,917,138	26,293	0	0	0	5,006,931	13,950,362	0	0
Wansley Steam Electric Generating Plant, Roopville, Heard	6,675,128	7,379	0	0	0	1,359,569	8,042,076	6	0
Branch Steam Electric Generating Plant, Milledgeville, Putnam	5,576,860	11,220	0	0	0	1,371,097	6,959,177	4	0
Yates Steam Electric Generating Plant, Newnan, Coweta	2,529,202	30,119	0	0	0	894,032	3,453,353	0	0
McDonough/Atkinson Steam Electric Generating Plant, Smyrna, Cobb	3,021,517	33,394	0	0	0	360,439	3,415,350	0	0
Hammond Steam Electric Generating Plant, Coosa, Floyd	1,262,847	3,147	0	0	0	556,984	1,822,978	0	0
Savannah Electric — Plant McIntosh, Rincon, Effingham	442,558	0	0	0	0	53,733	496,291	0	0
Arkwright Steam Electric Generating Plant, Macon, Bibb	193,828	15	0	0	0	24,938	218,781	0	0
Mitchell Steam Electric Generating Plant, Albany, Dougherty	153,768	181	0	0	0	55,327	209,276	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



1998 Toxics Release Inventory

GEORGIA

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Birmingham Southeast LLC, Cartersville, Bartow	0	0	0	0	0	0	3,831,978	3,831,978	0
Engelhard Corp. Attapulgis Ops., Attapulgis, Decatur	0	0	0	0	559	0	3,734,091	3,734,650	0
Union Camp Corp., Savannah, Chatham	113,650	0	2,746,410	170,910	6,476,030	27,800	3,315,920	12,850,720	0
Southwire Co., Carrollton, Carroll	0	1,018,383	0	55	1	82	3,182,027	4,200,548	2,470
Great Southern Paper Co., Cedar Springs, Early	430	0	56,920	0	7,111,300	1,700	2,859,200	10,029,550	0
DSM Chemicals N.A. Inc., Augusta, Richmond	388,713	0	2,130,329	0	8,737,355	25,427	2,762,850	14,044,674	0
Inland Paperboard & Packaging Inc., Rome, Floyd	0	0	11,190,000	0	3,309,660	1	2,362,998	16,862,659	0
International Paper, Augusta Ops., Augusta, Richmond	0	0	95,700	0	16,314,660	0	2,326,190	18,736,550	0
GM MLCG — Doraville Assembly, Doraville, De Kalb	0	1,299,308	0	18,970	395,240	312,690	2,211,028	4,237,236	0
PCS Nitrogen Fertilizer L.P., Augusta, Richmond	0	0	0	0	0	0	1,974,726	1,974,726	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Bowen Steam Electric Generating Plant, Cartersville, Bartow	0	0	0	0	0	0	19,500,943	19,500,943	0
Scherer Steam Electric Generating Plant, Juliette, Monroe	0	0	0	0	0	0	13,950,365	13,950,365	0
Wansley Steam Electric Generating Plant, Roopville, Heard	0	0	0	0	0	0	8,042,081	8,042,081	0
Branch Steam Electric Generating Plant, Milledgeville, Putnam	0	0	0	0	0	0	6,959,184	6,959,184	0
Yates Steam Electric Generating Plant, Newnan, Coweta	0	0	0	0	0	0	3,453,356	3,453,356	0
McDonough/Atkinson Steam Electric Generating Plant, Smyrna, Cobb	0	0	0	0	0	0	3,415,352	3,415,352	0
Hammond Steam Electric Generating Plant, Coosa, Floyd	0	0	0	0	0	0	1,822,978	1,822,978	0
Savannah Electric — Plant McIntosh, Rincon, Effingham	0	0	0	0	0	0	496,291	496,291	0
Arkwright Steam Electric Generating Plant, Macon, Bibb	0	0	0	0	0	0	218,756	218,756	0
Mitchell Steam Electric Generating Plant, Albany, Dougherty	0	0	0	0	0	0	209,276	209,276	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.